

# Work Order ID 115445

Tuesday, April 01, 2014 3:17:53 PM

**\*115445\***

Page 1

Item ID: D5044-5 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: Dowel Pin  
 Start Date: 4/1/2014 Start Qty: 10.00 **\*10\*** Cust Item ID:  
 Required Date: 4/4/2014 Req'd Qty: 10.00 **\*10\*** Customer:  
 Reference:

Approvals: Process Plan: CL Date: 14/04/02 Tooling: Date: Run Start **\*NR1\***  
 QC: Date: SPC (Y/N): Date: Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D5044	A

100 0.00

**\*100\***

Purchasing

Purchasing

Memo

Issue P/O: 23575  
 Possible supplier: MCMASTERR CARR  
 Supplier p/n: 98380A541  
 C OF C note is required.

0.00

CL 14/04/02 10

110

Receive & Inspect for Damage & Mat'l Certs

0.00

**\*110\***

Packaging

Packaging

Memo

0.00

14/4/2 (10)

120

QC5- Inspect part completeness to step on W/O

0.00

**\*120\***

QC

Quality Control

Memo

0.00

DAS  
27  
9-89

14/4/3

10

**Work Order ID 115445**

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**\*115445\***

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Item ID: D5044-5

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: Dowel Pin

Start Date: 4/1/2014 Start Qty: 10.00

**\*10\***

Cust Item ID:

Required Date: 4/4/2014 Req'd Qty: 10.00

**\*10\***

Customer:

Reference:

Approvals:

Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Stop **\*NR2\***Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool # Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

Identify as per dwg & Stock Location: 81/33

0.00

**\*130\***

Packaging

Memo

0.00

Packaging

10x14-4-3DAS  
26  
9-89

140

QC21- Final Inspection - Work Order Release

0.00

**\*140\***

QC

Memo

0.00

Quality Control

14-04-3MLJ 14-04-03

# Picklist Print

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Page 1

Work Order ID: 115445

**\*115445\***

Parent Item: D5044-5

**\*D5044-5\***

Parent Item Name: Dowel Pin

Start Date: 4/1/2014

Required Date: 4/4/2014

Start Qty: 10.00

Required Qty: 10.00

Comments: IPP REV:B 14.04.01 PER DWG REV.A DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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98380A541

Purchased

No

Each

0.0000

10

**\*98380A541\***

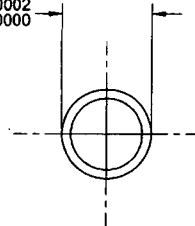
Dowel Pin

**\*\***

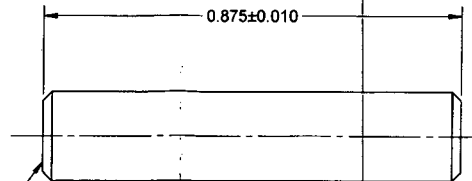
*4/4/14 (10)*

# SPECIFICATION CONTROL DRAWING

$\varnothing 0.1875^{+0.0002}_{-0.0000}$



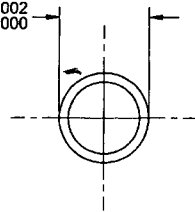
$0.875 \pm 0.010$



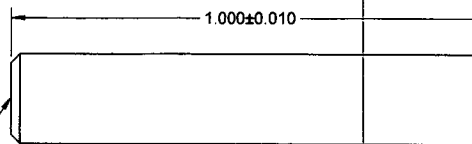
ENDS MAY BE  
ROUNDED OR  
CHAMFERED

**D5044-1 DOWEL PIN**

$\varnothing 0.1875^{+0.0002}_{-0.0000}$



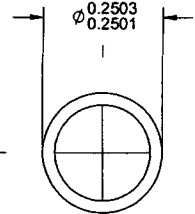
$1.000 \pm 0.010$



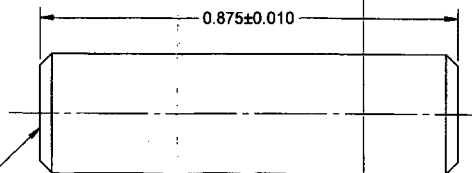
ENDS MAY BE  
ROUNDED OR  
CHAMFERED

**D5044-3 DOWEL PIN**

$\varnothing 0.2503^{+0.0002}_{-0.0000}$

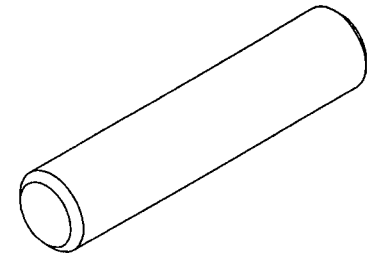


$0.875 \pm 0.010$



ENDS MAY BE  
ROUNDED OR  
CHAMFERED

**D5044-5 DOWEL PIN**



## NOTES:

- 1) MATERIAL -1: MCMASTER CARR PART NUMBER 97395A472, 316 STAINLESS STEEL  
-3: MCMASTER CARR PART NUMBER 97395A473, 316 STAINLESS STEEL  
-5: MCMASTER CARR PART NUMBER 98380A541, 416 STAINLESS STEEL
- 2) FINISH -1 & -3: NONE  
-5: PASSIVATE PER SUPPLIER
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.7
- 7) WEIGHT: 0.01 lbs ALL - NUMBERS

A NEW ISSUE		AJS	14.01.22
REV.	DESCRIPTION		BY DATE
DESIGN	AJS	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED	AP	DRAWING NO.	REV. A
MFG. APPR.	JLM	<b>D5044</b>	SHEET 1 OF 1
APPROVED	MP	TITLE	SCALE
DE APPR.	DS	<b>HOOK DOWEL PINS</b>	NTS
DATE	14.01.22	<small>COPYRIGHT © 2014 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR LOANED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

APPROVED

RELEASED  
2014-03-11  
WJ



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO23575**

Purchase Order Date 4/1/2014

PO Print Date 4/1/2014

Page Number 3 of 3

Order From :

MCMASTER-CARR SUPPLY CO,  
P.O. BOX 7690  
CHICAGO, IL 60680-7690  
US

VU-MCM001

Ship To :

DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

71401-45

PROCUREMENT  
QUALITY CLAUSES

4/4/2014

1.00

\$0.00

\$0.00

No

Each

PROCUREMENT QUALITY CLAUSES

4/4/2014

A000 QUALITY CLAUSES NOT REQUIRED

Line Total:

\$0.00

98380A541

Dowel Pin

4/4/2014 FN

10.00

\$0.92

\$9.22

Yes

Each

4/4/2014

Line Total:

\$9.22

PO Total:

\$302.12

CX

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr:

2

Change Date:

4/1/2014

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

Purchase Order  
**PO23575**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**1963012-01**

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04/01/2014

Line	Description	Ordered	Shipped	LNS	A82
1	<b>2791A37</b> Cobalt Steel Oversize/Undersize Chucking Reamer, Oversize, .5010" Diameter, .4355" Shank Diameter Your Part Number: <b>71500-30</b>	1 Each	1 ✓	2 - 502 - 01	10 - 36 A37 1 EA
	Unit Price: \$37.68 Extended Price: \$37.68				
5	<b>9565K31</b> Square Finishing Plug for Tube, Smooth, Fits 2" Tube OD, 1.76" Tube ID, Packs of 50 Your Part Number: <b>71400-40</b>	1 Pack	1 ✓	1 - 309	
	Unit Price: \$12.58 Extended Price: \$12.58				
6	<b>6213T43</b> Cut Resistant Protective Curtain & Blanket, Kevlar/Fiberglass Blend, 4' Height X 6' Width Your Part Number: <b>71400-35</b>	1 Each	1 ✓	3 - 639	
	Unit Price: \$148.10 Extended Price: \$148.10				
7	<b>98380A541</b> Type 416 Stainless Steel Dowel Pin, 1/4" Diameter, 7/8" Length, Packs of 10, Your PO Line 8 Your Part Number: <b>98380A541</b>	1 Pack	1 ✓	2 - 693	
	Unit Price: \$9.22 Extended Price: \$9.22				

Charges for this shipment

Merchandise Amount:	\$302.12
<b>Total:</b>	<b>\$302.12</b>